

Title (en)

Planar magnetic sensor comprising a SQUID made of superconducting thin film

Title (de)

Planarer magnetischer Sensor mit einem SQUID aus supraleitender Dünnschicht

Title (fr)

Capteur magnétique planaire comprenant un SQUID d'une couche mince supraconductrice

Publication

EP 0753757 A2 19970115 (EN)

Application

EP 96401518 A 19960710

Priority

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- JP 11030296 A 19960405

Abstract (en)

A magnetic sensor comprises a SQUID made of a superconducting thin film. The superconducting thin film has a washer pattern and a terminal portion. The washer pattern has one hole pattern (H) and a pair of slit patterns (G1,G2). The hole pattern (H) has rectangle shape and includes the center of the washer pattern. The slit patterns (G1,G2) having a straight shape grow in parallel to the long side of the hole pattern (H), from the outside edge of the washer pattern toward the inside of the washer pattern. This outside edge of washer pattern is the nearest to the hole pattern. There is an artificial grain boundary (S) in the domain that spacing between the hole pattern (H) and the slit pattern is narrowest. There is no artificial grain boundary in other domain at all. <IMAGE>

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